

ABSTRACT OF THE DISCLOSURE

A method of interfacing a transducer element to a communication network is disclosed. The method comprises providing an adaptable transducer interface comprising a programmable transducer interface controller for connecting to the transducer element and a programmable network interface controller for connecting to the communication network. The transducer interface controller is operatively connected to the network interface controller. User selectable transducer information is received identifying operating characteristics of the transducer. User selectable operator interface information is received identifying display parameters interactively arranged for displaying operating data of the transducer. A transducer interface program is generated for converting transducer operating characteristics to user data and the transducer interface program is stored in the transducer interface controller. A network interface program is generated based on the display parameters for creating screen displays using the user data. The network interface program is stored in the network interface controller. The adaptable transducer interface is usable to remotely interface with the transducer element over the communication network.